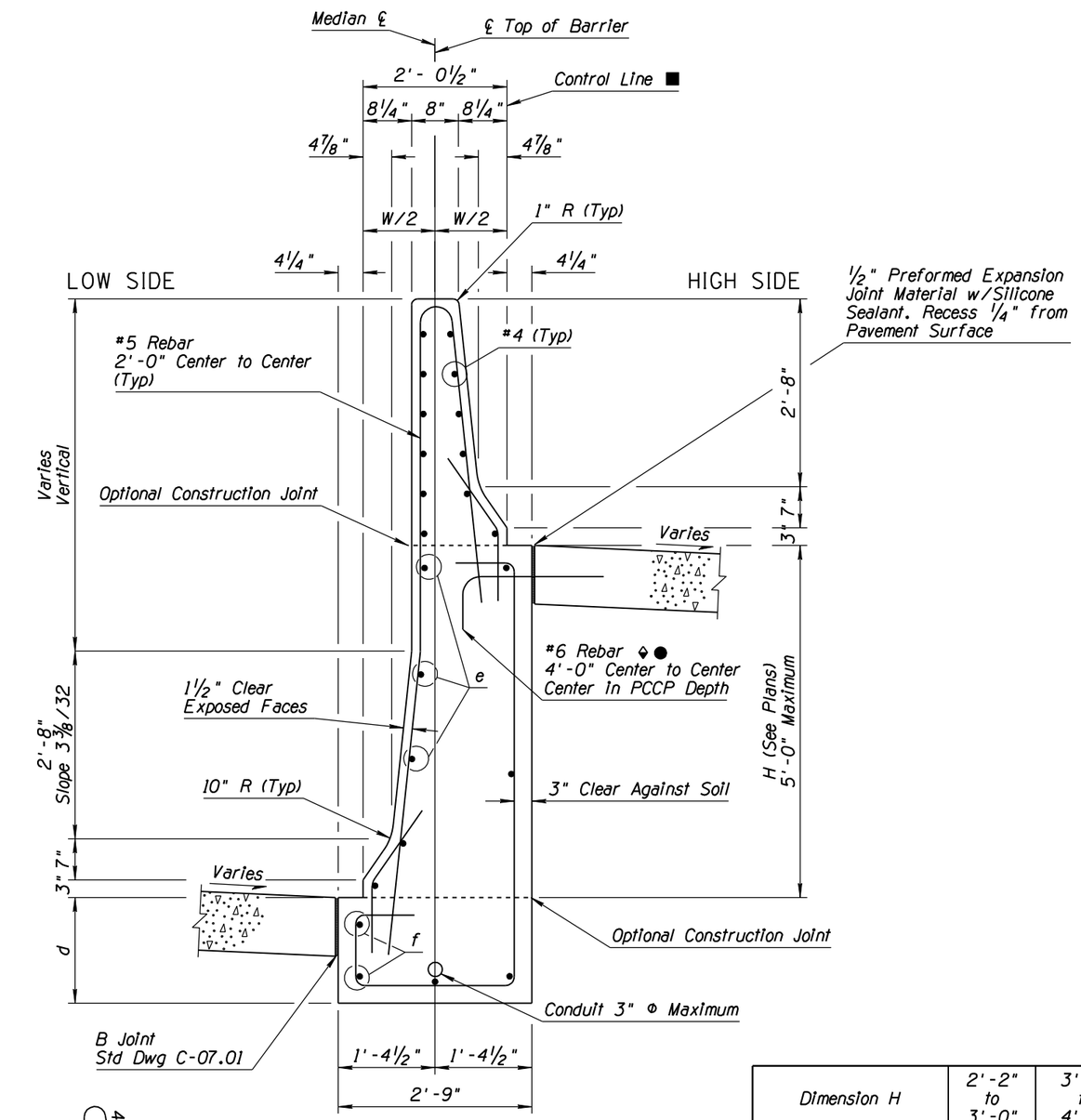
Note to Designer:
The information presented in this Roadway Plans Detail is for general use. Designer's should satisfy themselves that their project site conditions are appropriate for use of this drawing. Contents within the inner border shall not be altered, except for the addition of the Detail designation.

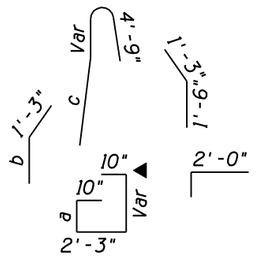
Date: 9/23/08

DESCRIPTION OF REVISIONS	MADE BY	DATE
NO		
1		
2		
3		
4		

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



SECTION
PARTIAL VERTICAL FACE



Dimension H	2'-2" to 3'-0"	3'-0" to 4'-0"	4'-0" to 5'-0"
Bend Dimension a	0'-7"	0'-7"	1'-1"
Bend Dimension b	1'-0"	1'-0"	1'-6"
Bend Dimension c	4'-3"	4'-3"	4'-9"
Dimension d	1'-0"	1'-0"	1'-6"
Number of bars e ◓	1	2	3
Number of bars f ◓	1	1	2

GENERAL NOTES

1. Construction Specifications - Arizona Department of Transportation Standard Specifications for Road and Bridge Construction, Current Edition.
2. Design Specifications- AASHTO LRFD Design Specifications, 4th Edition, 2007.
3. All concrete shall be Class 'S' (f'_c=4000 psi).
4. Rebar shall conform to ASTM Specification A615/A615M. All rebar shall be Grade 60.
5. All bends and hooks shall meet the requirements of AASHTO LRFD Article 5.10. All bend dimensions for rebar shall be out-to-out of bars. All placement dimensions shall be to center of bars unless noted otherwise.
6. All rebar shall have 2-inch clear cover unless noted otherwise.
7. Longitudinal rebar shall extend 12" past the construction joint at the completion of each incremental pour.
8. Median Barrier shall be constructed by the slip form or formed cast-in-place methods only.
9. Where obstacles prevent slip forming, stationary forms shall be used.
10. The terminology 'Low Side' and 'High Side' are used for reference purposes only. The barrier details shall be mirrored if required by the adjacent pavement elevations.
11. Backfilling and/or embankment placement on the High Side shall not commence until the PCCP is constructed on the Low Side.
12. The Median Barrier has been designed to accommodate a maximum of 2 - 3" Φ conduits. Locate conduits as required to make connection to pull boxes and appurtenances.

♦ #5 Rebar may be used for H = 4'-0" to 5'-0".

● Rebar shall be cast into PCCP or drilled and epoxied using an approved epoxy adhesive. The embedment shall be sufficient to develop the full yield strength of the rebar, but shall be no less than 1'-0". The length of the rebar shall be adjusted to maintain a minimum of 1'-0" embedment into the barrier.

▲ A lap splice may be introduced into the Var leg of this bar set. The lap splice shall be a minimum of 1'-4".

■ The contractor shall provide Control Line offsets to the Engineer prior to construction of the Median Barrier. The offsets shall be provided at sufficient intervals to control the location of the barrier construction equipment and forms.

⬓ W (in) = 24½ (in) + 3⅜/32 * H (in)

Dimension X = Dimension Y = 1'-4½" - W/2

W/2 - Bottom faces of Median Barrier shall be equidistant from Median ℄.

◓ Space evenly between adjacent longitudinal rebar.

DETAIL

Sheet 1 of 2

MEDIAN BARRIER 42" TYPE 'F' WITH VARIABLE HEIGHT SIDES H = 2'-2" to 5'-0"

DESIGN APPROVED	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION ROADWAY GROUP PLANS DETAIL
J.C. Cooper	
APPROVED FOR DISTRIBUTION	
Mary Viparina	
ROUTE / LOCATION	SHEET OF
TRACS NO.	___ OF ___